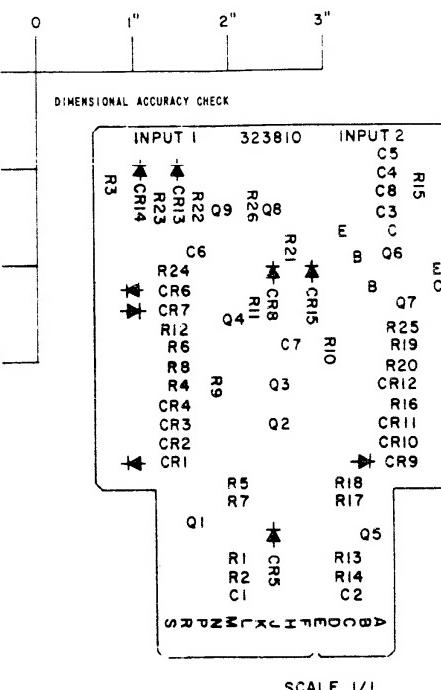
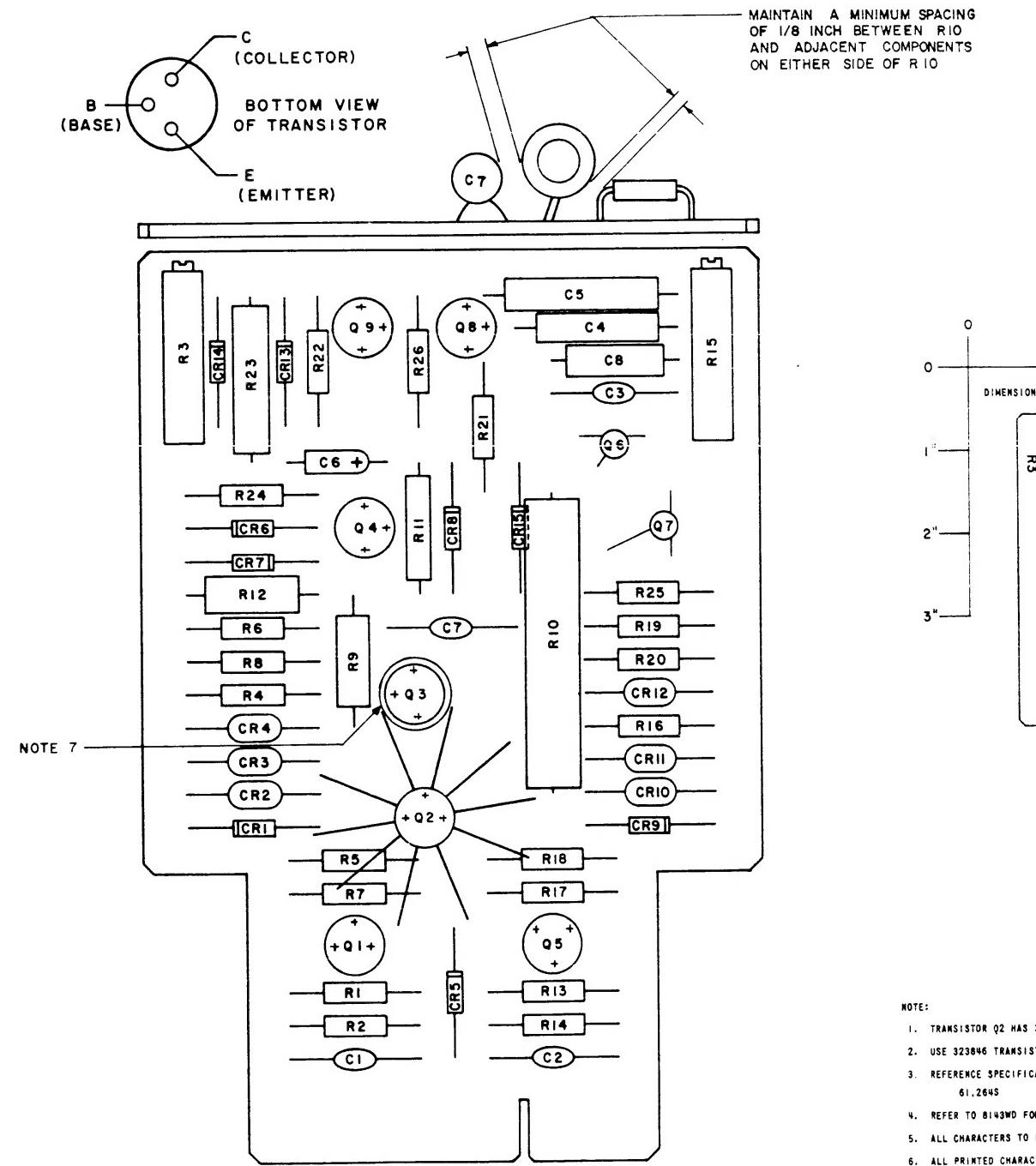


ASSEMBLY, CIRCUIT (SMD WITH SIGNAL COMBINER)



NOTE:

1. TRANSISTOR Q2 HAS 323847 HEAT SINK PRESSED ON.
2. USE 323846 TRANSISTOR PAD UNDER TRANSISTOR Q3.
3. REFERENCE SPECIFICATION FOR TELETYPE CORP. EMPLOYEES ONLY:  
61-264S
4. REFER TO 8143WD FOR SCHEMATIC WIRING DIAGRAM
5. ALL CHARACTERS TO BE 1/25 HIGH AND PRINTED WITH WHITE ENAMEL.
6. ALL PRINTED CHARACTERS TO BE LOCATED +.031 FROM NOMINAL POSITION
7. Q3 HAS 30CHG INSULATING COVER.  
POSITION Q3 (WITH COVER) SO THAT  
323847 HEAT SINK MAY BE FULLY  
SEATED ON Q2.
8. 144493 TRANSISTER PAD REQUIRED ON Q1, Q4, Q5, Q8 AND Q9, AND Q2.

REF. DESIGN.	TELETYPE PART NO.	TOTAL QTY.	NAME AND DESCRIPTION	LOCATING FUNCTION	323810			
					REVISIONS			
ISSUE	DATE	AUTH. NO.						
C1	321157	1	CAPACITOR, 500 pF	R.F. BY-PASS CAP.	-1	2-23-67	18240-R	
C2	321157	1	CAPACITOR, 500 pF	R.F. BY-PASS CAP.	2	4-24-67	93730	
C3	321157	1	CAPACITOR, 500 pF	R.F. BY-PASS CAP.	3	10-16-67	94596-B	
C4	171829	1	CAPACITOR, .15 MFD	Q8 FEEDBACK CAP.	4	11-21-67	94849-B	
C5	326776	1	CAPACITOR, .47 MFD	Q9 FEEDBACK CAP.	5	5-22-68	95850	
C6	321260	1	CAPACITOR, 1 MFD 50V	TRANSIENT SUPP.	6	12-20-68	98266	
C7	321157	1	CAPACITOR, 500 pF	R.F. BY-PASS CAP.	7	1-29-69	98172	
C8	178860	1	CAPACITOR, .022 MFD	R.F. BY-PASS CAP.	8	2-17-69	98267	
R1	118720	1	RESISTOR, 100K, 1/2W	Q1 OPEN LINE BIAS				
R2	118720	1	RESISTOR, 100K, 1/2W	INPUT 1 RES				
R3	323964	1	POTENTIOMETER 500K	Q1 BIAS				
R4	129854	1	RESISTOR, 10K, 1/2W	Q1 BIAS				
R5	118177	1	RESISTOR, 22K, 1/2W	Q1 LOAD RES.				
R6	137604	1	RESISTOR, 620, 1/2W	VOLTAGE DIVIDER				
R7	118146	1	RESISTOR, 4.7K, 1/2W	Q1 Emitter RES.				
R8	129850	1	RESISTOR, 680, 1/2W	VOLTAGE DIVIDER				
R9	309868	1	RESISTOR, 1.3K, 3W	CR5 CURRENT LIMITER				
R10	323841	1	RESISTOR, 300, 12W	Q2 LOAD RES.				
R11	323842	1	RESISTOR, 21, 1/2W, 15	REG. CURRENT SET				
R12	178864	1	RESISTOR, 3.9K, 1W	CR6 CURRENT LIMITER				
R13	118720	1	RESISTOR, 100K 1/2W	Q5 OPENLINE BIAS				
R14	118720	1	RESISTOR, 100K, 1/2W	INPUT 2 RES.				
R15	323964	1	POTENTIOMETER 500K	Q5 BIAS				
R16	129854	1	RESISTOR, 10K, 1/2W	Q5 BIAS				
R17	118177	1	RESISTOR, 22K, 1/2W	Q5 LOAD RES.				
R18	118146	1	RESISTOR, 4.7K, 1/2W	Q5 Emitter RES.				
R19	137604	1	RESISTOR, 620, 1/2W	VOLTAGE DIVIDER				
R20	129850	1	RESISTOR, 680, 1/2W	VOLTAGE DIVIDER				
R21	321175	1	RESISTOR, 33, 1/2W	Q6 Emitter RES.				
R22	118177	1	RESISTOR, 22K, 1/2W	CR13 BIAS RES.				
R23	323843	1	RESISTOR, 590, 5W, 15	COIL CURRENT LIMITER				
R24	137442	1	RESISTOR, 1.5K, 1/2W	CR6 BLEEDER RES.				
R25	118154	1	RESISTOR 47K, 1/2W	Q6, Q7 LOAD RES.				
R26	120424	1	RESISTOR 4.3K, 1W	Q8 LOAD RES.				
CR1	321154	1	DIODE, IN457A	Q1 BASE PROT.				
CR2	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR3	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR4	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR5	181167	1	DIODE, IN750A	TEMP. COMP. REF.				
CR6	321156	1	DIODE, INN82A	Q4 COLLECTOR CLAMP				
CR7	321156	1	DIODE, INN82A	Q4 COLLECTOR CLAMP				
CR8	321161	1	DIODE, IN748A	REG. VOLT. REF.				
CR9	321154	1	DIODE, IN457A	Q5 BASE PROT.				
CR10	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR11	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR12	178844	1	VARISTOR, 100-A	TEMP. COMP.				
CR13	321156	1	DIODE, IN482A	Q9 Emitter Diode				
CR14	321156	1	DIODE, IN457A	TRANSIENT SUPP.				
CR15	321156	1	DIODE, INN82A	Q8 Emitter Diode				
Q1	321166	1	TRANSISTOR, 2N1893	DC AMP.				
Q2	323844	1	TRANSISTOR, 2N3053	SHUNT REQ.				
Q3	321261	1	TRANSISTOR, 2X4036	SHUNT REQ. AMP.				
Q4	323845	1	TRANSISTOR, 40319	SERIES REQ.				
Q5	321166	1	TRANSISTOR, 2N1893	DC AMP.				
Q6	324144	2	TRANSISTOR, 2N4121	DC AMP.				
Q7			SAME AS Q6					
Q8	321165	1	TRANSISTOR, 2N3638A	DC AMP.				
Q9	321261	1	TRANSISTOR, 2N4036	DC AMP.				
Q10	324147	2	PAD, TRANSISTOR					
Q11	144495	6	PAD, TRANSISTOR					
Q12	323846	1	PAD, TRANSISTOR					
Q13	323847	1	HEAT SINK					
Q14	323835	1	CIRCUIT BOARD, ETCHED					
Q15	30G116	1	COVER, INSULATING					

USED ON 323808

323810

REVISIONS

ISSUE DATE AUTH. NO.

1 2-23-67 18240-R

2 4-24-67 93730

3 10-16-67 94596-B

4 11-21-67 94849-B

5 5-22-68 95850

6 12-20-68 98266

7 1-29-69 98172

8 2-17-69 98267

WDP

D AND R

E OF M

E-NUMBER

PROD. NO. 323810

DATE 2-1-67

P.D. FILE NO. 15-65AAA

DRAWN J. J. A.

W.M.D. BPP

ENG'D. R.R. APP'D. J.A. fap

TELETYPE CORPORATION

323810